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- (71) Applicant (for all designated States except US): REN-ISHAW plc [GB/GB]; New Mills, Wotton-under-Edge Gloucestershire GL12 8JR (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MCMURTRY, David, Roberts [GB/GB]; Park Farm, Stancombe, Dursley Gloucestershire GL11 6AT (GB). MCFARLAND, Geoffrey [GB/GB]; THE MANSE, 22 Church Road, Upper Cam, Dursley Gloucestershire GL11 5PG (GB). JONAS, Kevyn Barry [GB/GB]; 15c Beaufort Road, Clifton, Bristol Bristol BS8 2JU (GB).

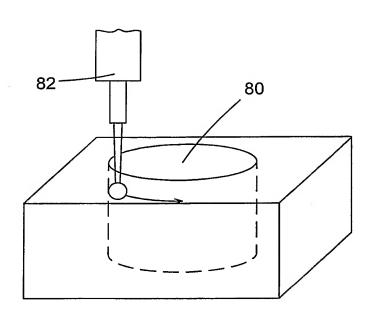
- (74) Agents: LELAND, Emma, Clare et al.; Renishaw plc, Patent Department, New Mills, Wotton-under-Edge Gloucestershire GL12 8JR (GB).
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(54) Title: METHOD OF CALIBRATING A COORDINATE POSITIONING APPARATUS



(57) Abstract: A method of measuring an object with a coordinate positioning apparatus, comprises the following steps: placing the object within the working volume of the coordinate positioning apparatus; measuring the object with a workpiece contacting probe to create measurement data of the object, the measurement data being collected at multiple probe forces; for at least one location on the surface of the object, determining a function or look up table relating the measurement error data to the probe force; for said at least one location on the surface of the object, using the function or look up table to determine the measurement data corresponding to zero probe force; and outputting the measurement data corresponding to zero probe force as the measurement of the object.

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